

Going Forward - the Chromium Action Plan

Chromium Action Plan – San Fernando Valley Operable Units RWQCB, DTSC, CDPH, US EPA, Cities of Los Angeles, Glendale, and Burbank

OU	Current Status	Short Term Actions	Long Term Actions
For All OUs	<ul style="list-style-type: none"> EPA has been the lead agency for Regional Groundwater Cleanup in the San Fernando Valley. State Agencies have been the lead for site-specific VOC and chromium investigations in SFV. RWQCB has evaluated over 4,000 potential chromium sites in the SFV with support from EPA. RWQCB is overseeing active investigations at 16 sites in the SFV and has issued No Further Action (NFA) letters at six additional sites since May 2007. DTSC is overseeing work at six chromium sites. EPA is overseeing work at three chromium sites. 	<ul style="list-style-type: none"> RWQCB/DTSC/EPA have prioritized chromium source investigations and maximized our regulatory authorities, which has resulted in the RWQCB transferring three sites to EPA and six sites to DTSC. RWQCB has adopted General WDRs for in-situ treatment of Cr6. At the request of the cities, and in consultation with EPA, RWQCB will consider requiring the PRPs to provide replacement water to the cities if Cr6 levels adversely affect production capacity. CDPH (formerly DHS) will work with agencies to clarify its requirements for treatment & ensure compliance with them. RWQCB and EPA will sponsor (with other interested State and local agencies) a San Fernando Valley chromium workshop in Spring 2008. 	<ul style="list-style-type: none"> EPA will secure funding to implement final remedies at the SFV sites for VOCs and Cr6 through enforcement or, if necessary, the Superfund Trust Fund. EPA will continue monitoring for other emerging contaminants and develop response plans as necessary.
North Hollywood	<ul style="list-style-type: none"> Los Angeles meets its voluntary limit of 5 ppb Cr6 after plant outflow is blended with imported water. Well NHE-2 was removed from service in February 2007 due to high Cr6. 	<ul style="list-style-type: none"> RWQCB/EPA/DTSC will continue to investigate Cr6 sources. RWQCB ordered Honeywell to replace water lost by shutdown of NHE-2 (April 2007) and approved Honeywell's wellhead treatment plan for NHE-2 (July 2007). RWQCB ordered Honeywell to accelerate implementation of in-situ treatment and further investigate the extent of chromium contamination in soil and groundwater at the former Allied-Signal facility (April 2007). EPA will continue funding O&M for VOC remedy. 	<ul style="list-style-type: none"> EPA to complete a focused feasibility study by Spring 2008. EPA will select an updated OU remedy that will address VOCs, Cr6 and emerging contaminants, if appropriate, in late 2008. EPA issued General Notice and 104(e) Information Request Letters to existing and possible new VOCs and chromium parties (November 2007).
Burbank	<ul style="list-style-type: none"> Burbank meets its voluntary limit of 5 ppb Cr6 after plant outflow is blended with MWD water. 	<ul style="list-style-type: none"> RWQCB/EPA/DTSC will continue to investigate Cr6 sources. 	<ul style="list-style-type: none"> EPA to conduct study leading to a final Area 1 site-wide remedy that addresses VOCs, Cr6 and emerging contaminants, if appropriate.
Glendale	<ul style="list-style-type: none"> Glendale meets its voluntary limit of 5 ppb Cr6 after plant outflow is blended with MWD water by varying extraction well pumping rates. Glendale meets river discharge limit of 8 ppb Cr6 by varying extraction well pumping rates. Glendale is at the limit of its capacity to modify pumping to meet the river discharge. 	<ul style="list-style-type: none"> RWQCB/EPA/DTSC will continue to investigate Cr6 sources. Glendale plans to build two Cr6 demonstration treatment plants (at wells GN-2 & -3 & GS-5). EPA has provided \$880K toward funding this \$3.5M project, and EPA will support the City's Prop. 50 funding application. The PRPs have agreed to provide supplemental funding for two chromium treatment demonstration projects at the Glendale OU in order to address the river discharge issue. 	<ul style="list-style-type: none"> EPA established a Chromium OU for the Area 2 - Glendale site and issued General Notice and 104(e) Information Request Letters to initial chromium source PRPs (November 2007). EPA to conduct focused study leading to final Area 2 - Glendale remedy that will include chromium (2010).
Regulatory Standards	<ul style="list-style-type: none"> For Total Chromium (i.e., Cr3 + Cr6), State MCL is 50 ppb (Federal MCL is 100 ppb). There is no State or Federal MCL for Cr6 only. There is currently no State Public Health Goal (PHG) for Cr6. Draft State PHG for Cr6 is expected to be issued in June 2008. 		

Notes: Cr6 = hexavalent chromium

San Fernando Valley Chromium Workshop
March 10, 2008

Chromium Action Plan

- In December 2006, EPA initiated development of a Chromium Action Plan.

- Developed with input from the State and Cities



RWQCB



DTSC



CDPH



City of Los Angeles



City of Glendale



City of Burbank

Upper Los Angeles

River Area Watermaster

- Identifies short and long term activities to address chromium contamination in the Superfund areas.

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Current Status

- Area drinking water continues to meet Federal and State drinking water standards.
- Los Angeles, Burbank, and Glendale also meet their voluntary hexavalent chromium limits.
- Glendale meets limits on its discharge to river by managing well pumping rates



Short Term Actions

➤ **Source Investigations**

- EPA, RWQCB & DTSC share workload on sources
- EPA oversees source investigations at 3 facilities
All Metals Drilube Lockheed Librascope
- EPA initiated a Chromium OU at the Glendale site

➤ **Source Cleanups**

- EPA completed soil cleanup at All Metals plating shop

➤ **Groundwater Treatment**

- Glendale will build 2 chromium demonstration treatment plants (with partial EPA & PRP funding).

Long Term Actions

➤ Update Superfund Groundwater Remedies

- In 2008, EPA will complete a North Hollywood focused feasibility study that addresses chromium and expects to select an updated remedy later this year.
- EPA will continue Glendale groundwater chromium PRP searches and continue investigations.
- EPA will update the Glendale and Burbank remedies and address chromium and emerging contaminants, if necessary

➤ Clean up Sources of Chromium Contamination

- EPA will work with State to clean up chromium sources.
- Use enforcement tools to ensure PRPs pay for cleanups.

Going Forward

➤ **Assure Compliance with Drinking Water Standards**

- EPA will assure that Superfund remedies comply with State and Federal standards.
- EPA will work with State & local agencies to implement updated remedies as quickly as possible.
- EPA will continue to monitor groundwater for emerging contaminants & develop response plans as necessary.

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